

EF

Notice of Allowability

Application No.

10/506,352

Examiner

Kimberly D. Nguyen

Applicant(s)

YOSHIOKA, KAZUEI

Art Unit

2876

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to communication filed May 16, 2006.
2. ☒ The allowed claim(s) is/are 1-9.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date <u>5/16/06, 4/4/05</u> . | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

Amendment

1. Acknowledgment is made of Amendment filed May 16, 2006.

Information Disclosure Statement

2. The information disclosure statement (IDS) submitted on May 16, 2006 has been considered by the examiner; wherein the IDS includes JP 63-9589 replacing the typographical error JP 63-95891 (submitted April 4, 2005) and JP 63-39396 replacing the JP 63-39396 (submitted April 4, 2005, which was objected by the examiner previously (see Ex Parte Quayle dated March 22, 2006.)) Accordingly, references JP 63-95891 and JP 63-39396, filed April 4, 2005, have been crossed out by the examiner.

Allowable Subject Matter

3. Claims 1-9 are allowed.
4. The following is an examiner's statement of reasons for allowance:

Inoue (US 5,436,441) teaches noncontacting card containing a coil circuit has at least two spiral windings connected in parallel for electromagnetically coupling the card to a terminal and a processing circuit connected to the coil circuit for signal processing. A noncontacting transmission system includes a noncontacting card having a coil circuit including at least two spiral windings connected in parallel and a terminal having a coil circuit including at least two spiral winding connected in parallel, the coil circuits of the noncontacting card and the terminal being electromagnetically coupled for transmitting electrical power to the noncontacting card and exchanging data between the terminal and the noncontacting card (fig. 16).

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Ohki (US 4,791,285 A) teaches a read/write method using a non-contact system and used between storage substrate and a read/write unit, the method including a storage substrate providing a memory at a card or other substrates, and a read/write unit, the storage substrate providing a coil for power supply, a coil for receiving data to be recorded in a memory, a coil for outputting toward the read/write unit the data recorded in the memory, and a coil for receiving a mode command, the read/write unit providing coils corresponding to four coils at the storage substrate, so that the respective corresponding coils at the storage substrate are insertably positioned in the magnetic flux generated by each coil at the read/write unit, whereby the read/write unit writes data in the memory at the storage substrate, or the data stored in the memory at the storage substrate is read by the read/write unit (fig. 4).

The prior art of record fails to teach or fairly suggest an IC card having an antenna unit provided on an IC card body, wherein the antenna unit is composed of paired electrostatic coupling antennas spaced from each other; the paired electrostatic coupling antennas comprise first and second metallic thin films arranged on a front surface of or in the vicinity of the front surface of the IC card body, separate from each other, and third and fourth metallic thin films arranged on a back surface of or in the vicinity of the back surface of the IC card body, separate from each other; and the first and third metallic thin films are opposed to each other and connected to each other to form one of the paired electrostatic coupling antennas; and the second and fourth metallic thin films are opposed to each other and connected to each other to form the other of the paired electrostatic coupling antennas as set forth in the claim.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kimberly D. Nguyen whose telephone number is 571-272-2402. The examiner can normally be reached on Monday-Friday 7:30-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee can be reached on 571-272-2398. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

KDN

July 7, 2006

